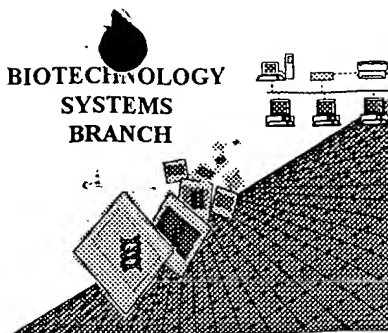


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



#6
L. WHITE

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/856,617
Source: PU/09
Date Processed by STIC: 6/12/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,617

DATE: 06/12/2001

TIME: 12:25:27

Input Set : A:\766.52 Seq. Listing.txt

Output Set: N:\CRF3\06122001\I856617.raw

4 <110> APPLICANT: KYOWA HAKKO KOGYO CO., LTD.,
 6 <120> TITLE OF INVENTION: NOVEL POLYPEPTIDE
 8 <130> FILE REFERENCE: 11169
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/856,617
 C--> 11 <141> CURRENT FILING DATE: 2001-05-24
 13 <150> PRIOR APPLICATION NUMBER: H10-332484
 14 <151> PRIOR FILING DATE: 1998-11-24
 16 <150> PRIOR APPLICATION NUMBER: H11-248442
 17 <151> PRIOR FILING DATE: 1999-09-02
 19 <160> NUMBER OF SEQ ID NOS: 18
 20 <170> SOFTWARE: PatentIn Ver. 2.0

Does Not Comply
 Corrected Diskette Needed

pp1-4

ERRORED SEQUENCES

22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 4173
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Mouse
 27 <220> FEATURE:
 28 <221> NAME/KEY: CDS
 29 <222> LOCATION: (107)..(4021)
 31 <400> SEQUENCE: 1

E--> 32 ggccctgggcg gcggcacatc ctaaggtagc ggctgcctga ggtgacagct gcccgtagg
 33 60
 E--> 35 tcgggccccg gaacgagccg cgctggcggc ggcggcggta gccgcg atg atg gag
 36 115
 37 Met Met Glu
 38 1

E--> 40 atc cag atg gac gag gga gga ggt gtg gtg gtg tac caa gac gac tac
 41 163
 42 Ile Gln Met Asp Glu Gly Gly Gly Val Val Val Tyr Gln Asp Asp Tyr
 43 5 10 15

E--> 45 tgc tcg ggc tcg gtc atg tcg gag cgt gtg tcg ggc ctg gcg ggc tcc
 46 211
 47 Cys Ser Gly Ser Val Met Ser Glu Arg Val Ser Gly Leu Ala Gly Ser
 48 20 25 30 35

E--> 50 atc tac cgc gag ttc gag cgc ctc att cac tgc tat gac gag gag gtg
 51 259
 52 Ile Tyr Arg Glu Phe Glu Arg Leu Ile His Cys Tyr Asp Glu Glu Val
 53 40 45 50

E--> 55 gtc aag gag ctc atg ccg ctg gtg gtg aac gtg ctg gag aac ctt gac
 56 307
 57 Val Lys Glu Leu Met Pro Leu Val Val Asn Val Leu Glu Asn Leu Asp
 58 55 60 65

E--> 60 tcg gtg ctg agc gag aac cag gag cac gag gtg gag ctg gag ctc cta
 61 355

*global
 format error*

*see item 1
 on Error
 summary
 sheet*

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Input Set : A:\766.52 Seq. Listing.txt

Output Set: N:\CRF3\06122001\I856617.raw

```

62 Ser Val Leu Ser Glu Asn Gln Glu His Glu Val Glu Leu Glu Leu Leu
63          70          75          80
E--> 65 cgc gag gac aac gag cag ctg ctc acg caa tac gag cgc gag aag gcg
66 403
67 Arg Glu Asp Asn Glu Gln Leu Leu Thr Gln Tyr Glu Arg Glu Lys Ala
68      85          90          95
E--> 70 ctg cgc aaa cag gcc gag gag aaa ttc atc gaa ttt gaa gat gcc ttg
71 451
72 Leu Arg Lys Gln Ala Glu Glu Lys Phe Ile Glu Phe Glu Asp Ala Leu
73 100          105          110          115
E--> 75 gaa caa gag aag aaa gaa ctc cag atc cag gta gaa cat tat gag ttt
76 499
77 Glu Gln Glu Lys Lys Glu Leu Gln Ile Gln Val Glu His Tyr Glu Phe
78          120          125          130
E--> 80 cag aca cgc cag ctg gag cta aag gcc aaa aac tat gca gat cag att
81 547
82 Gln Thr Arg Gln Leu Glu Leu Lys Ala Lys Asn Tyr Ala Asp Gln Ile
83          135          140          145
E--> 85 tcc cga ctg gag gaa cga gaa tcg gag atg aag aag gaa tac aat gcc
86 595
87 Ser Arg Leu Glu Glu Arg Glu Ser Glu Met Lys Lys Glu Tyr Asn Ala
88      150          155          160
E--> 90 ctg cac cag cgg cac aca gag atg atc cag acc tat gtg gaa cac att
91 643
92 Leu His Gln Arg His Thr Glu Met Ile Gln Thr Tyr Val Glu His Ile
93      165          170          175
E--> 95 gaa aga tcc aag atg cag caa gtt ggg ggt agc ggc caa aca gaa agc
96 691
97 Glu Arg Ser Lys Met Gln Gln Val Gly Gly Ser Gly Gln Thr Glu Ser
98 180          185          190          195
E--> 100 agc ctg ccc ggg cgg agg aag gag cgt ccc acc tct ctg aat gtc ttc
101 739
102 Ser Leu Pro Gly Arg Arg Lys Glu Arg Pro Thr Ser Leu Asn Val Phe
103          200          205          210
E--> 105 ccc ctg gct gat ggc atg tgt cca aac gat gag atg tct gag tca ggc
106 787
107 Pro Leu Ala Asp Gly Met Cys Pro Asn Asp Glu Met Ser Glu Ser Gly
108          215          220          225
E--> 110 cag tcc tca gca gct gca aca ccc agt acc aca ggt acc aag tcc aac
111 835
112 Gln Ser Ser Ala Ala Ala Thr Pro Ser Thr Thr Gly Thr Lys Ser Asn
113          230          235          240
E--> 115 aca ccc acg tcc tcc gtg ccc tca gca gca gtc acg cca ctc aac gag
116 883
117 Thr Pro Thr Ser Ser Val Pro Ser Ala Ala Val Thr Pro Leu Asn Glu
118      245          250          255
E--> 120 agc cta cag ccc ctg ggg gac tat gtc agt gtc aca aag aac aac aag
121 931
122 Ser Leu Gln Pro Leu Gly Asp Tyr Val Ser Val Thr Lys Asn Asn Lys

```

*same
even*

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Input Set : A:\766.52 Seq. Listing.txt

Output Set: N:\CRF3\06122001\I856617.raw

```

123 260          265          270          275
E--> 125 cag gcc cga gag aag cgc aat agc cgt aac atg gag gtc cag gtc acc
126 979
127 Gln Ala Arg Glu Lys Arg Asn Ser Arg Asn Met Glu Val Gln Val Thr
128          280          285          290
E--> 130 caa gag atg cgg aac gtc agt atc ggc atg ggc agc agt gac gag tgg
131 1027
132 Gln Glu Met Arg Asn Val Ser Ile Gly Met Gly Ser Ser Asp Glu Trp
133          295          300          305
E--> 135 tcc gat gtt cag gac att atc gac tcc acc cca gag ctg gat gtg tgt
136 1075
137 Ser Asp Val Gln Asp Ile Ile Asp Ser Thr Pro Glu Leu Asp Val Cys
138          310          315          320
E--> 140 cct gaa acc cgt ctg gag cgc aca gga agc agc cca acc cag gga att
141 1123
142 Pro Glu Thr Arg Leu Glu Arg Thr Gly Ser Ser Pro Thr Gln Gly Ile
143          325          330          335
E--> 145 gta aac aaa gct ttt gga atc aac act gac tcc ttg tat cac gaa ctc
146 1171
147 Val Asn Lys Ala Phe Gly Ile Asn Thr Asp Ser Leu Tyr His Glu Leu
148 340          345          350          355
E--> 150 tcc acg gcg gga tct gag gtc atc ggg gat gtg gac gag gga gct gat
151 1219
152 Ser Thr Ala Gly Ser Glu Val Ile Gly Asp Val Asp Glu Gly Ala Asp
153          360          365          370
E--> 155 ctc cta ggg gag ttt tca gtg cgc gat gat ttt ttt gga atg ggc aaa
156 1267
157 Leu Leu Gly Glu Phe Ser Val Arg Asp Asp Phe Phe Gly Met Gly Lys
158          375          380          385
E--> 160 gaa gtg ggg aac ctg ctg ctg gag aac tca cag ctt cta gag aca aaa
161 1315
162 Glu Val Gly Asn Leu Leu Leu Glu Asn Ser Gln Leu Leu Glu Thr Lys
163          390          395          400
E--> 165 aat gct tta aat gta gtg aag aat gac ctc att gct aag gtt gac caa
166 1363
167 Asn Ala Leu Asn Val Val Lys Asn Asp Leu Ile Ala Lys Val Asp Gln
168          405          410          415
E--> 170 ctg tca gga gaa cag gag gtc ctg aag ggt gag ctg gaa gca gcc aag
171 1411
172 Leu Ser Gly Glu Gln Glu Val Leu Lys Gly Glu Leu Glu Ala Ala Lys
173 420          425          430          435
E--> 175 caa gcg aaa gtc aag ctg gag aac cga atc aaa gag ctt gaa gaa gaa
176 1459
177 Gln Ala Lys Val Lys Leu Glu Asn Arg Ile Lys Glu Leu Glu Glu Glu
178          440          445          450
E--> 180 ctg aag aga gtc aag tca gag gca gta act gcc cgc cgt gag ccc aga
181 1507
182 Leu Lys Arg Val Lys Ser Glu Ala Val Thr Ala Arg Arg Glu Pro Arg
183          455          460          465

```

*same
even*

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DATE: 06/12/2001

TIME: 12:25:27

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Output Set: N:\CRF3\06122001\I856617.raw

```

E--> 185 gaa gag gtg gag gat gta agc agc tat ctc tgt aca gaa ttg gac aaa
      186 1555
      187 Glu Glu Val Glu Asp Val Ser Ser Tyr Leu Cys Thr Glu Leu Asp Lys
      188           470           475           480
E--> 190 atc ccc atg gcc cag cgc cga cgc ttc aca cgg gtg gag atg gcc cga
      191 1603
      192 Ile Pro Met Ala Gln Arg Arg Arg Phe Thr Arg Val Glu Met Ala Arg
      193           485           490           495
E--> 195 gtg ctc atg gaa cgc aac cag tac aag gaa cgc ctc atg gag ctg cag
      196 1651
      197 Val Leu Met Glu Arg Asn Gln Tyr Lys Glu Arg Leu Met Glu Leu Gln
      198 500           505           510           515
E--> 200 gag gct gtg agg tgg act gaa atg atc aga gca tca agg gaa cac cca
      201 1699
      202 Glu Ala Val Arg Trp Thr Glu Met Ile Arg Ala Ser Arg Glu His Pro
      203           520           525           530
E--> 205 tct gtc cag gag aag aag aag tcc acc atc tgg cag ttc ttt agt cgc
      206 1747
      207 Ser Val Gln Glu Lys Lys Lys Ser Thr Ile Trp Gln Phe Phe Ser Arg
      208           535           540           545
E--> 210 ctc ttc agc tcc tca tct agc ccc cct ccg gcc aaa cga tcc tac cca
      211 1795
      212 Leu Phe Ser Ser Ser Ser Ser Pro Pro Pro Ala Lys Arg Ser Tyr Pro
      213           550           555           560
E--> 215 tct gtg aac att cac tac aag tca ccc act gca gct ggc ttt agc cag
      216 1843
      217 Ser Val Asn Ile His Tyr Lys Ser Pro Thr Ala Ala Gly Phe Ser Gln
      218           565           570           575
E--> 220 cgt cgc agc cat gct ttg tgc cag atc tca gcc ggc agc agg ccc ctg
      221 1891
      222 Arg Arg Ser His Ala Leu Cys Gln Ile Ser Ala Gly Ser Arg Pro Leu
      223 580           585           590           595
E--> 225 gag ttc ttc cct gat gat gac tgc acc tct tct gcc cgg cgg gag cag
      226 1939
      227 Glu Phe Phe Pro Asp Asp Asp Cys Thr Ser Ser Ala Arg Arg Glu Gln
      228           600           605           610
E--> 230 aag cgg gag cag tac cgc cag gtt cgt gaa cac gtg cgc aat gat gac
      231 1987
      232 Lys Arg Glu Gln Tyr Arg Gln Val Arg Glu His Val Arg Asn Asp Asp
      233           615           620           625
E--> 235 ggg agg ctg cag gcc tgt ggg tgg agc ctg cct gcc aag tac aag cag
      236 2035
      237 Gly Arg Leu Gln Ala Cys Gly Trp Ser Leu Pro Ala Lys Tyr Lys Gln
      238           630           635           640
E--> 240 ctg agc ccc aat gga ggc cag gaa gac acc cgg atg aaa aat gtg cct
      241 2083
      242 Leu Ser Pro Asn Gly Gly Gln Glu Asp Thr Arg Met Lys Asn Val Pro
      243           645           650           655
E--> 245 gtc cct gtg tac tgt cgc cct ctg gtg gag aag gac cct tcg aca aag

```

same

*Due to size
of encoded
file, only
these pages
shown as
sample of
global
error*

FBI

Please review the

Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.